

DEVICE FOR TRANSMITTING MOTION BETWEEN THE ROTOR OF A  
SYNCHRONOUS PERMANENT-MAGNET MOTOR AND THE WORKING  
PART, HAVING AN INCREASED FREE ROTATION ANGLE

ABSTRACT OF THE DISCLOSURE

5 A device for transmitting motion between the rotor of a synchronous  
permanent-magnet motor and the working part, having an increased free rotation  
angle, which comprises at least two motion transmission couplings which mutually  
cooperate in a kinematic series. Each coupling is constituted by at least one driving  
10 element (37) which is eccentric with respect to the rotation axis and is rigidly  
coupled to a first component (14) of the motion transmission system and by at least  
one driven element (39,41), which is also eccentric with respect to the rotation axis  
and is rigidly coupled to the component (32) arranged kinematically after the  
preceding one. The angle covered by the elements of each coupling is, as a whole,  
15 less than a round angle. The intermediate components of the kinematic  
transmission have both a driven element (39,41) and a driving element (37) for  
receiving the motion from the preceding one and transmitting it to a subsequent  
one.

20 (Figure 3)

